

# Ihsan Muhammad

## List of Publications by Year in descending order

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29  
papers

878  
citations

687363

13  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

518  
citing authors

#	ARTICLE	IF	CITATIONS
1	Farm households' risk perception, attitude and adaptation strategies in dealing with climate change: Promise and perils from rural Pakistan. <i>Land Use Policy</i> , 2020, 91, 104395.	5.6	123
2	Cover cropping enhances soil microbial biomass and affects microbial community structure: A meta-analysis. <i>Geoderma</i> , 2021, 381, 114696.	5.1	93
3	Regulation of soil CO <sub>2</sub> and N <sub>2</sub> O emissions by cover crops: A meta-analysis. <i>Soil and Tillage Research</i> , 2019, 192, 103-112.	5.6	91
4	Ameliorative effect of melatonin improves drought tolerance by regulating growth, photosynthetic traits and leaf ultrastructure of maize seedlings. <i>BMC Plant Biology</i> , 2021, 21, 368.	3.6	75
5	Application, advancement and green aspects of magnetic molecularly imprinted polymers in pesticide residue detection. <i>Science of the Total Environment</i> , 2022, 804, 150293.	8.0	50
6	Impact assessment of land use change on surface temperature and agricultural productivity in Peshawar-Pakistan. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33076-33085.	5.3	47
7	Climate change impact assessment, flood management, and mitigation strategies in Pakistan for sustainable future. <i>Environmental Science and Pollution Research</i> , 2021, 28, 29720-29731.	5.3	47
8	Interactive Effects of Melatonin and Nitrogen Improve Drought Tolerance of Maize Seedlings by Regulating Growth and Physiochemical Attributes. <i>Antioxidants</i> , 2022, 11, 359.	5.1	42
9	Melatonin Application Alleviates Stress-Induced Photosynthetic Inhibition and Oxidative Damage by Regulating Antioxidant Defense System of Maize: A Meta-Analysis. <i>Antioxidants</i> , 2022, 11, 512.	5.1	41
10	Amelioration of AsV toxicity by concurrent application of ZnO-NPs and Se-NPs is associated with differential regulation of photosynthetic indexes, antioxidant pool and osmolytes content in soybean seedling. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112738.	6.0	37
11	Irrigation and Nitrogen Fertilization Alter Soil Bacterial Communities, Soil Enzyme Activities, and Nutrient Availability in Maize Crop. <i>Frontiers in Microbiology</i> , 2022, 13, 833758.	3.5	31
12	Yield gap analysis of major food crops in Pakistan: prospects for food security. <i>Environmental Science and Pollution Research</i> , 2021, 28, 7994-8011.	5.3	26
13	Nitrogen Fertilizer Modulates Plant Growth, Chlorophyll Pigments and Enzymatic Activities under Different Irrigation Regimes. <i>Agronomy</i> , 2022, 12, 845.	3.0	21
14	Biochar in Combination with Nitrogen Fertilizer is a Technique: To Enhance Physiological and Morphological Traits of Rice ( <i>Oryza sativa</i> L.) by Improving Soil Physio-biochemical Properties. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2406-2420.	5.1	20
15	Melatonin and KNO <sub>3</sub> Application Improves Growth, Physiological and Biochemical Characteristics of Maize Seedlings under Waterlogging Stress Conditions. <i>Biology</i> , 2022, 11, 99.	2.8	19
16	An approach to sustainable agriculture by untangling the fate of contrasting nitrogen sources in double-season rice grown with and without biochar. <i>GCB Bioenergy</i> , 2021, 13, 382-392.	5.6	14
17	Effects of soaking seeds in exogenous vitamins on active oxygen metabolism and seedling growth under low-temperature stress. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 3254-3261.	3.8	11
18	Impact of the mixture versus solo residue management and climatic conditions on soil microbial biomass carbon to nitrogen ratio: a systematic review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 64241-64252.	5.3	11

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19	Effect of water conditions and nitrogen application on maize growth, carbon accumulation and metabolism of maize plant in subtropical regions. <i>Archives of Agronomy and Soil Science</i> , 2023, 69, 693-707.	2.6	11
20	Exogenous application of indole-3-acetic acid to ameliorate salt induced harmful effects on four eggplants ( <i>Solanum melongena</i> L.) varieties. <i>Scientia Horticulturae</i> , 2022, 292, 110662.	3.6	10
21	Effects of Biochar Amendment and Nitrogen Fertilizer on RVA Profile and Rice Grain Quality Attributes. <i>Foods</i> , 2022, 11, 625.	4.3	10
22	Regulation of Soil Microbial Community Structure and Biomass to Mitigate Soil Greenhouse Gas Emission. <i>Frontiers in Microbiology</i> , 2022, 13, 868862.	3.5	10
23	A Sustainable Approach toward Maize Production: Effectiveness of Farm Yard Manure and Urea N. <i>Annals of Biological Sciences</i> , 2017, 05, .	0.2	7
24	Combined application of biochar and nitrogen fertilizer promotes the activity of starch metabolism enzymes and the expression of related genes in rice in a dual cropping system. <i>BMC Plant Biology</i> , 2021, 21, 600.	3.6	7
25	Do residential localities matter? Revisiting preference heterogeneity and ranking of ecological attributes of an inland river basin. <i>Science of the Total Environment</i> , 2021, 763, 142970.	8.0	6
26	Room-Temperature, Ionic-Liquid-Enhanced, Beta-Cyclodextrin-Based, Molecularly Imprinted Polymers for the Selective Extraction of Abamectin. <i>Nanomaterials</i> , 2022, 12, 1017.	4.1	6
27	Biochar combined with nitrogen fertilizer: a practical approach for increasing the biomass digestibility and yield of rice and promoting food and energy security. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 1304-1318.	3.7	5
28	Development of Molecularly Imprinted Polymers for Fenthion Detection in Food and Soil Samples. <i>Nanomaterials</i> , 2022, 12, 2129.	4.1	5
29	Effect of Integrated Organicâ€“Inorganic Amendments on Leaf Physiological and Grain Starch Viscosity (Rapid Visco-Analyzer Profile) Characteristics of Rice and Ultisols Soil Quality. <i>Agronomy</i> , 2022, 12, 863.	3.0	2